Razor™

Scream Machine Jr.

Scream Machine

Scream Machine™

This owner's manual is applicable to the original Scream Machine with pneumatic front tire and the Scream Machince Jr with the airless front tire.

Owner's Manual

Razor Owner's Manual

+ Safety Handbook

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NOTE: This manual contains many "Warnings" and "Cautions" concerning the consequences of failing to maintain or inspect your bicycle. Because any incident can result in serious injury or even death, we do not repeat the warning of possible serious injury or death each time such a warning is mentioned.

WARNING: Riding the Razor Scream Machine can be hazardous. Proper inspection and maintenance of the product is your responsibility and can reduce the risk of injury.

WARNING: The Scream Machine has been built to Razor's design specifications. All the original equipment supplied at the time of

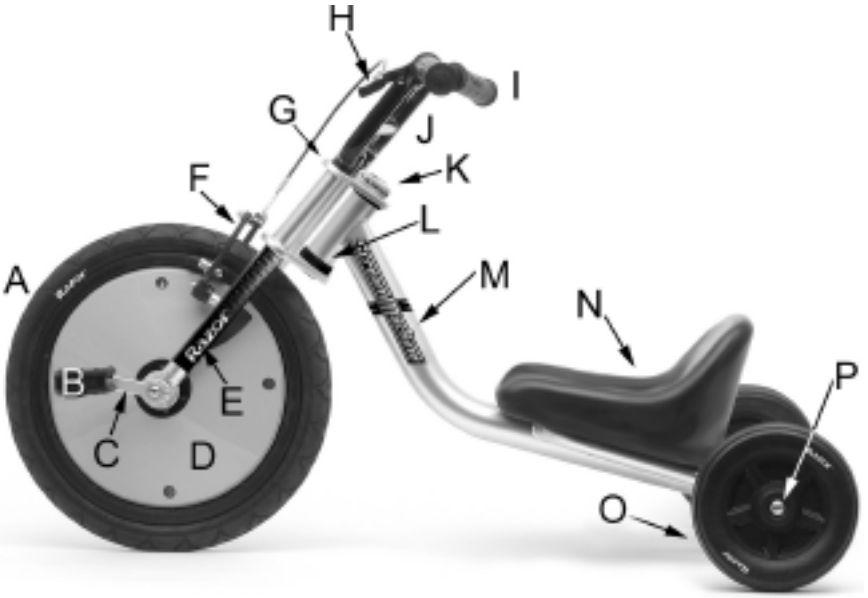
sale were selected on the basis of their compatibility with the frame, fork and all other parts. Certain after-market products may or may not be compatible with your Razor Scream Machine. Consult your retailer or call Razor prior to modifying or replacing any component with a non-factory specified product.

TOOLS REQUIRED FOR ASSEMBLY ONLY

5mm hex (Allen) key
6mm hex (Allen) key
17mm open end wrench
10mm open end wrench for brake cable

Razor recommends assembly by an adult with experience in bicycle mechanics. Some tools may be supplied, however we recommend the use of mechanic's grade tools and use the supplied tools only as a last resort.

1. Parts of the Scream Machine



A. Front wheel
B. Pedal
C. Crank arm
D. Wheel cover
E. Fork
F. Brake
G. Fork crown
H. Brake lever
I. Handlebar grip
J. Handlebar
K. Headset
L. Head tube
M. Main frame
N. Seat
O. Rear wheels
P. Rear axle

Additional components not shown in this view will be detailed in the assembly section.

2. Proper fit and size adjustments

2. Fit. When properly adjusted, the rider should be able to pedal comfortably and steer with both feet remaining on the pedals at all times. If the rider has to stretch to reach the pedals or is too cramped, the seat should be adjusted fore or aft accordingly.

WARNING: The age recommendation is only an estimate. If you are too small or too large to comfortably reach the pedals or handlebars, do not ride the Scream Machine.

WARNING: Failing to properly adjust and tighten the screws, bolts and clamps that affix the handlebars, seat and rear wheels can cause you to lose control and fall. When properly tightened, you cannot twist the front wheel out of line with the handlebars or move the saddle out of adjustment. If you can twist or force these components to move or come off by hand, readjust and properly retighten the screws and bolts.

3. Brake

Your Razor Scream Machine is fitted with a hand-operated brake. The brake lever may be positioned on the handlebar where it is most comfortable for the rider. To change the position, loosen the clamping screw and slide the brake lever to the new position and retighten securely.

Figure 1. Brake lever adjustment.

WARNING: The brake, when properly adjusted, is capable of skidding the tire and throwing an unsuspecting rider. Practice in an open area free from obstacles until you are familiar with the brake function.

WARNING: Cable operated brakes are very effective but must be adjusted and maintained on a regular basis. Check or have them checked and adjusted by a qualified mechanic. Worn brake parts, stretched or frayed inner wires or a kinked housing indicate brake service or parts replacement may be necessary for proper function.

4. Safety

4A. Helmets. Although not every state or municipality requires juvenile-age cyclists to wear a helmet, Razor strongly recommends you wear a properly approved helmet, such as ANSI or SNELL, even if the law does not mandate the use of a helmet.

Suitable helmets are available in a variety of styles. The most popular for kids is the skateboard-style “stunt” helmet. There are many brands available and they come in various sizes to fit any child or adult.

Keep feet on the pedals at all times while riding in the seated position. Do not ride more than one person at a time. Never use near steps or swimming pools.

WARNING: Helmets must be properly fitted and the straps adjusted properly to be effective. Ask your dealer to help you with the selection, fit and adjustment of your helmet.

4B. Night riding and low-light conditions. Razor strongly recommends against riding at night or when lighting or visibility conditions are less than optimal (such as dawn and dusk).

WARNING: Lighting for night riding or low light conditions are not required and are not standard equipment on the Scream Machine. We do not recommend riding at night or in low-light conditions.

4C. Wet weather riding. Under wet conditions, the stopping power of your brakes is reduced significantly. This makes it harder to control your speed and easier to lose control. In wet conditions it is advised that you ride more slowly and apply your brakes earlier and with greater caution than in normal, dry conditions.

WARNING: Wet weather impairs traction, braking, control and visibility. The risk of accident is increased dramatically in wet weather.

WARNING: Keep your fingers and other body parts away from the crank, steering system, wheels and all other moving components.

5. Safety check (before each ride)

5A. Loose parts. While straddling the Scream Machine, lift the front wheel off the ground two or three inches and let go so it can bounce on the ground. Does everything sound tight? There should not be any unusual rattles or sounds from loose parts or broken components. If you are not sure, ask an experienced mechanic to check.

5B. Cranks and pedals. Grasp the cranks and wobble them vigorously to check for play. The cranks and pedals should be attached and tight with no play between the crank and drive shaft or the pedal shaft and crank arms.

5C. Brake. Check the brake for proper function. When you pull the lever the brake should act against the rim and provide positive braking action. The cable should have the proper slack so the brakes do not drag, yet the lever should not touch the handlebars when pulled except under the hardest braking action.

5D. Frame, fork and handlebars. Check for cracks or broken connections. Although broken frames are rare, it is possible for an aggressive rider to bash into a curb or wall and wreck and bend or break a frame, fork or handlebar. Get in the habit of inspecting yours regularly.

5E. Bar ends. Your Razor is equipped with plugs in the end of the handlebars designed to provide protection from exposed handlebar ends, which can act like a cookie-cutter. If your bar plugs are worn out or missing and the handlebar end is exposed, replace them or cover the exposed end(s) with after-market bar-end protectors.

5F. Tire inflation. The front tire on the Scream Machine requires 35~45 psi inflation pressure. ***Periodically and regularly check the tire pressure and reinflate as necessary.*** If you get a flat tire the inner tube is available at any retailer that sells bicycle parts and accessories. The correct size is embossed on the side of the tire (16 x 1.75).

NOTE: The Scream Machine Jr. is equipped with a airless front tire and does not require any maintenance.

6. Assembly

WARNING: Razor highly recommends that you have your Scream Machine assembled by an experienced, adult mechanic. Many retailers provide assembly but some charge extra. If your retailer can't do the assembly, you can have your Scream Machine assembled at a bicycle shop for a fee. Although you may have to pay up to $30 or even more

for assembly, it will assure the Scream Machine is properly put together and adjusted.

ASSEMBLY NOTE: Refer to the list of tools required for assembly on page three of this manual. If you do not have the proper tools or understanding of the instructions in this manual, take your bike to a qualified mechanic for assembly, service or adjustments.

6A. Un-box. Remove contents from box. Remove the cardboard and/or plastic separators that protect the various component from damage during shipping. Inspect the contents of the box for scratches in the paint, dents or kinked cables that may have occurred during shipping. Your Scream Machine was partially assembled and packed at the factory to prevent shipping damage and there should not be any problems, even if the box has a few scars or dents. But if there are, contact your retailer to resolve any of these issues.

Figure 2.

6B. Install the rear wheels.

Installing the rear wheels on the Scream requires the use an 6mm allen key and the special open-end wrench for the locking nut. The axle consists of two parts: the axle bolt and the lock nut. These are preinstalled on the wheels.

Install both wheels on the Scream Machine by threading the axle bolts into the rear cross-beam of the Scream Machine frame. Using a 6mm Allen key, carefully tighten the axle while at the same time checking the wheel to see if it spins freely or if there is side-to-side play. If the wheel will not spin freely, loosen the axle about 1/4 to 1/2 turn and, using the supplied wrench, adjust the lock nut in or out until the wheel spins. The correct adjustment is where the wheel spins free but has the least amount of end-play as possible.

Retighten by holding the axle from turning. Tightening the locknut against the frame as shown in figure 5. Repeat as many time as is necessary to obtain the proper adjustment.

Check www.razor.com for tech updates or video clips on this and other procedures.

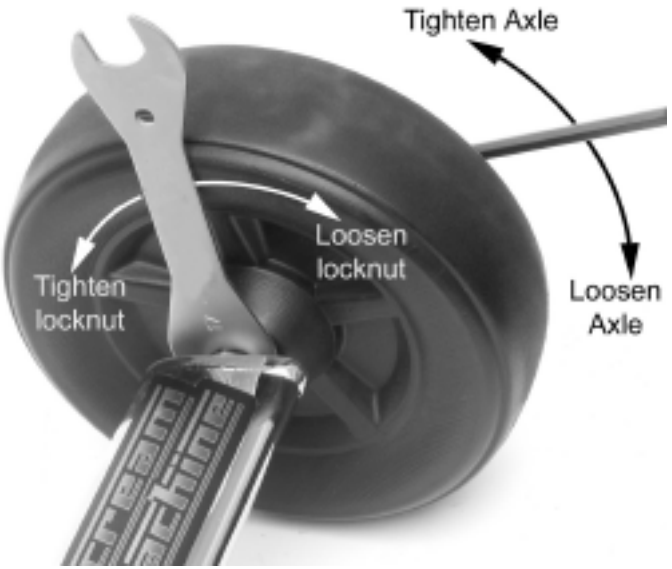


Figure 5. Installing and adjusting the rear wheels.

With both wheels installed, the Scream Machine is ready for the front fork.

Figure 6. Both wheels installed.

6C. Install the fork.

Insert the steering tube into the frame as shown in 7a and 7b. The steering bushings are preinstalled.

Figure 7a.

Figure 7b.

Slide the handlebar and upper fork crown assembly into the fork legs as shown in figure 7c. **Press both the spring buttons** (arrows, 7d) and

Figure 7c.

Figure 7d.

continue to slide the handlebar assembly into the fork until the spring buttons engage the holes (A) as shown in figure 7e., and the steering tube extends through the upper fork crown (B). The fork stop must be positioned in the slot in the upper crown. The fit between the tubes is a close tolerance fit and may require a firm hand or taps with a rubber mallet to nudge the handlebar all the way into the fork.

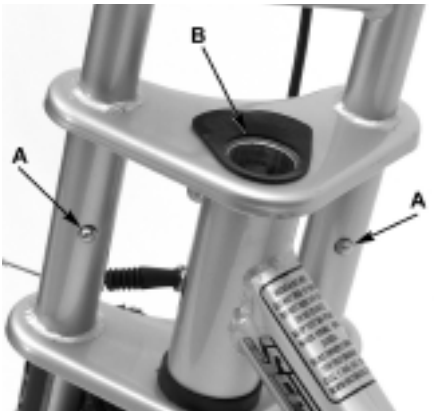


Figure 7e.

Install the tensioning cap and adjusting screw as shown in figure 7f. Using an Allen key, snug the adjusting screw as shown in 7e until the fork crown is firmly seated against the steering bushings. This is called “preloading.”

Figure 7f.

Once the fork crown is firmly seated, loosen the adjusting screw approximately 1/4 to 1/2 turn. This relaxes the preloading and allows the steering to rotate without binding. Test by turning the handlebars to full lock left and right. It should steer with slight friction and no binding or tight spots.

Figure 7g. Snug the adjusting screw.

NOTE: The steering bushings are designed for long life and should require no maintenance. They do not require oil or any type of "wet" lubrication. If the steering becomes rough, disassemble, inspect and clean the bearing surfaces (soap and water is fine). Dry thoroughly and reassemble. Although the bushings and thrust washers are self-lubricating, a light application of a dry-lube can be used to facilitate the anti-friction properties of the steering head bushings.

NOTE: Although we make every effort to keep our manual up-to-date, if your Scream Machine does not look like this, then we've made improvements since this document was printed. Check out the Razor website: www.razor.com for technical updates on the latest service and adjustment procedures. For example: later models do not have the spacer between the fork crown and the adjusting cap as shown in 7f and 7g.

WARNING: Failure to properly install the handlebar to the fork legs can result in the handlebars falling off and causing risk of injury. Periodically check to make certain the adjsuting screw is properly tensioned and that the handlebars are securely attached to the forks. Refer to the safety information in chapter 5 for additional details.

6D. Attach the seat.

Flip the Scream Machine on it's side and, using the screws provided and two allen keys, fasten the seat to the frame using one of the three positions: forward, middle and aft, depending on the rider's size.

Figure 8c.

6E. Assemble the brake cable. The brake lever is preinstalled on the handlebars and the brake cable adjusting barrel may be either on the cable or threaded into the lever.

Installing the cable requires placing the barrel (or ball) end of the cable wire into the socket on the lever and “threading” the wire through the slots in the adjusting barrel and jam nut as shown in the sequence 9a, 9b and 9c.

Figure 9a.

Figure 9b.

Figure 9c.

To properly accomplish this procedure, you may have to disconnect the brake quick release in order to get enough slack in the wire to connect the cable. This is shown in figures 10a and 10b.

Figure 10a.

Figure 10b.

WARNING: If you do not understand the procedure to connect the brake cable, we strongly recommend you seek the help of a qualified bicycle mechanic. If the brakes are not properly connected or adjusted the brakes may fail and you can be seriously injured.

Tips for hooking up the V-brake

With the cable installed in the lever as shown in the various photos, pull back the rubber booty on the cable and slide the flanged housing into the hanger on the brake arm as shown in the sequence below.

6F. Brake cable adjustment. The main adjustment on the brake is to take up the cable slack and bring the lever into adjustment. This is typically accomplished with the adjusting barrel at the brake lever as shown in figure 11.

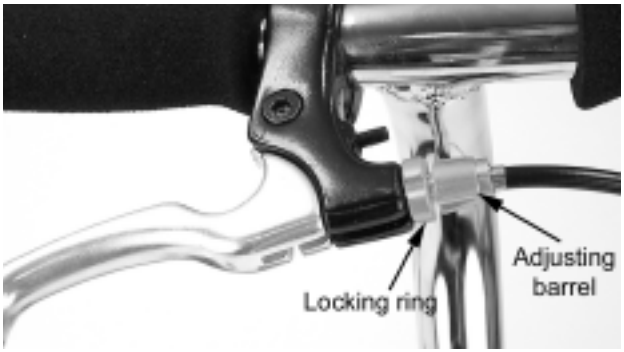


Figure 11.

If there is too much slack, the lever will go all the way to the handlebar without the brake being applied. If there is not enough slack, the brake will drag even when the lever is not pulled. Ideally, you want 2-3mm of play in the lever before the brake engages (as shown in figure 12).

Figure 12.

To adjust, loosen the lock ring and turn the barrel 1/4 to 1/2 turn to loose or tighten as required and squeeze the brakes to test. Continue to adjust until the proper cable slack is attained.

If the proper amount of play cannot be achieved by adjusting the brake lever, the excess slack must be taken up at the brake by loosening the pinch bolt as shown in figure 13 and pulling up the slack.

Figure 13.

NOTE: The brake system requires a break-in period. You may have to repeat procedure 6F often during the first several hours of use. Repeat as necessary from thereafter to maintain proper brake function.

The Scream Machine is supplied with a brake lever that adjusts to accommodate a variety of hand sizes. To adjust the brake lever so it is easier for shorter hands to operate the brake, turn the screw in the direction marked “B” in the photo below. Leave enough gap between the handlebar and lever to assure proper brake function. To readjust for larger hands, turn the screw in the direction marked “A” as shown in the 13a below.

Figure 13a

WARNING: Always test the brake function whenever making any adjustment to the braking system.

WARNING: Brake pads are subject to normal wear and tear. Although the brake pad alignment is pre-adjusted at the factory and should not require additional adjustment at the time of assembly, it is

the responsibility of the user to periodically inspect the brake pads for excess wear and misalignment. If you do not understand how to adjust or realign the brake pads, we strongly recommend you seek the help of a qualified mechanic. If the brakes are not properly adjusted the brakes may fail and you can be seriously injured.

6H. Pedals, cranks and front wheel drive. The crankarms and pedals are supplied in the small parts box and must be installed. **The crank marked L goes on the left side and the crank marked R goes on the right side (when sitting in the seat)**. Assemble as shown in the sequence below. Tighten securely.

Figure 14a

Figure 14b

Figure 14c

⚠ NOTE: The pedal marked “L” and the corresponding crank arm have “backward” or reverse threads. To install and tighten the pedal marked “L” you turn it counterclockwise, which is the reverse direction from normal. Attempting to install an R pedal in the left side crank arm or the L pedal in the right-side crank arm will ruin the pedals and the cranks and could seize the pedals in the cranks.

Figure 15a. Tightening a left-hand pedal with a reverse thread.

15b. Tightening a right-side pedal with a normal thread

⚠ **NOTE: Pedals threaded into the wrong crankarm are considered operator error and not covered under the Razor Limited Warranty.**

7. Razor Safety Tips

WARNING TO PARENTS: Kids need to be taught and be frequently reinforced of the importance of safe riding, the rules of the road and the dangers and hazards of traffic, especially motor vehicle traffic. Parents and children are urged to read and understand these safety tips together.

7A. Rules of the road

Do not play in the road or street.
Do not ride on streets.
Do not ride at night.
Stop for all stop signs
Use crosswalks to cross streets
Always walk at crosswalks.
Never use near steps or swimming pools

7B. Your driveway. Driveway accidents are frequent and often fatal. Realize the danger of your own and all other driveways. There may be obscured vision caused by trees, bushes or cars. Your driveway is not a launching pad for fast roll-outs! Observe the following driveway safety tips:

Look left, right and left again before exiting onto sidewalks or into playground areas.

7C. Stop signs. Running a stop sign is a sure way to get hit by a car and killed. Remember, always stop at every stop sign or stop light. Always stop and walk across only when it is clear. Do not assume that drivers of motor vehicles can see you. In fact, assume that every driver cannot see you and that they are not paying attention. Observe the following safety tips:

Stop at all stop signs and lights, regardless of traffic conditions.
Look in every direction of traffic before proceeding to walk across
Watch especially for oncoming traffic making left turns.
Watch for cars behind you or next to you making right turns.
Wait for traffic to clear before proceeding.

7D. Turning without warning. Children are often struck from behind because they made unexpected turns into traffic, or they inadvertently veered into traffic when looking over their shoulder. Observe the following safety tips for left turns:

Do not cut across the street, cross only at intersections.
Practice looking over your shoulder to the rear without accidentally

turning (do this only in an open space free from traffic and obstructions).

7E. Riding at night and in low visibility. Do not ride at night or in low visibility. See section 4 for more information.

7F. Rules of the Road.

Wear a helmet. Wear shoes.

Become aware of and learn your local bicycle laws and regulations. Most states and communities have rules regarding helmet use, bicycle licensing, riding on sidewalks, grinding and so on. It is the responsibility of parents to make sure their children know and obey all rules and regulations.

The Scream Machine is intended for sidewalk and playground use. You must share this space with others including, pedestrians, skaters and other players. Respect their rights!

Ride defensive. Assume that pedestrians, skaters and other players are so absorbed in their own world that they are not paying any attention to you and that they will run you down or step out in front of you, all without any warning.

Watch for obstacles such as pot holes, sewer grates, expansion cracks, and road or construction debris (such as nails or other foreign objects) that could catch your wheel or force you to swerve into traffic or lose control.

Stop at all stop signs and lights.
Never ride with headphones or use a cell phone when riding.
Never carry a passenger.
Never hitch a ride with another vehicle.
Do not weave into traffic or make sudden turns.
Observe and yield the right-of-way as prescribed by local traffic rules.

Riding the Scream Machine may be a hazardous activity and has inherent dangers that no amount of care, caution, instruction or expertise can eliminate. Certain conditions may cause the equipment to fail without fault of the manufacturer. Activities involving the use of bicycles carry the risk of injury or death.

8.

Razor Limited Warranty and Registration

The manufacturer warranties this product to be free of manufacturing defects for a period of six months from date of purchase. This Limited Warranty does not cover normal wear and tear, tires, tubes or cable, nor any damage, failure or loss caused by improper assembly, maintenance, storage or use of the Scream Machine.

This Limited Warranty will be void if the product is ever:

- used in a manner other than for recreation or transportation;
- modified in any way;
- rented.

Check local laws and regulations to see where you can ride your Scream Machine legally.

The manufacturer is not liable for incidental or consequential loss nor damage due directly or indirectly from the use of this product.

To obtain service under this warranty you must, within the warranty period, contact Razor USA LLC directly by e-mail at warranty@razorusa.com. Razor will provide warranty replacement at its sole discretion.

Authorized warranty service is ONLY available from Razor USA LLC.

QUESTIONS?

Please read the owner's manual thoroughly. If you still have questions, check the website for updates and contact information.

Spare rear wheels are available! Keep your Scream Machine running for years with these and other genuine Razor spare parts.

Visit our website and e-mail us for more information on spare part availability.

Specifications subject to change without notice.

Patent Pending

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